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Exhibit R-2, RDT&E Budget Item Justification									DATE: February 1999	
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense-Wide/02					R-1 ITEM NOMENCLATURE C2 Research/P.E. 0305108K					
COST (in millions)	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	Cost to Complete	Total Cost
Command and Control Research/A10	1.821	1.955	1.968	2.015	2.043	2.079	2.126	2.176	Cont'd	Cont'd

A. Mission Description and Budget Item Justification:
This program element represents DISA's portion of a joint DISA/multi-service effort that supports research into emerging technologies, methodologies, and theories of military command and control (C2), the application of research results to resolve the problems of C2 associated with joint and coalition operations and the optimal use of MILDEP laboratory resources. Accordingly, this program element is located in Budget Activity 02. The C2 research program was initiated to develop C2 as a scientific discipline; foster joint service techbase cooperation; and develop a better understanding of the national security implications of the information age, particularly with respect to the development and use of information superiority in support of future operational concepts. The program supports the conduct and dissemination of C2 basic and applied research. Initiatives focus on high level issues in C2 and the development of related educational materials for DOD personnel. Joint techbase issues are addressed including those related to network centric warfare, information superiority, integration of system of systems, command decision making and supporting processes, and Joint and Coalition C2.

FY 1998 Accomplishments:

- o Continued Basic and Applied Research Initiatives designed to improve the state-of-the-art and practice of C2 with projects focused on network centric warfare, information operations, team decision making, battlespace architectures, and integration of a system of systems. (1st Qtr - 3rd Qtr) (\$923K)
- o Continued Development of C2 Research Infrastructure with work on Metrics, C2 Modeling, Joint Experimentation, and workshops on C2 related issues. (1st Qtr - 4th Qtr) (\$375K)
- o Continued C2 Community Development and Cooperation with the annual C2 Research and Technology Symposium, the 4th International C2 research and technology symposium, and technical exchanges on C2 of Operations Other Than War (OOTW). (1st Qtr - 4th Qtr) (\$261K)
- o Continued Dissemination of Research Findings and Educational Initiatives with a publications program, a Home Page with updated C2 bibliographies and features on network centric warfare and new sciences, and a guest lecturer's series. (1st Qtr - 4th Qtr) (\$262K)
- o Total \$1.821M

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Command and Control Research/A10	1.821	1.955	1.968	2.015	2.043	2.079	2.126	2.176	Cont'd	Cont'd
FY 1999 Plans: <ul style="list-style-type: none">o Continue Basic and Applied Research Initiatives in Command and Control. (2nd Qtr - 4th Qtr) (\$970K)o Continue Development of C2 Research Infrastructure. (1st Qtr - 4th Qtr) (\$400K)o Continue C2 Community Building and Cooperation Initiatives. (1st Qtr - 3rd Qtr) (\$325K)o Continue Dissemination of Research Findings and Educational Initiatives. (1st Qtr - 4th Qtr) (\$260K)o Total \$1.955M										
FY 2000 Plans: <ul style="list-style-type: none">o Continue Basic and Applied Research Initiatives in Command and Control. (2nd Qtr - 4th Qtr) (\$975K)o Continue Development of C2 Research Infrastructure. (1st Qtr - 4th Qtr) (\$400K)o Continue C2 Community Building and Cooperation Initiatives. (1st Qtr - 3rd Qtr) (\$330K)o Continue Dissemination of Research Findings and Educational Initiatives. (1st Qtr - 4th Qtr) (\$263K)o Total \$1.968M										
FY 2001 Plans: <ul style="list-style-type: none">o Continue Basic and Applied Research Initiatives in Command and Control. (2nd Qtr - 4th Qtr) (\$990K)o Continue Development of C2 Research Infrastructure. (1st Qtr - 4th Qtr) (\$400K)o Continue C2 Community Building and Cooperation Initiatives. (1st Qtr - 3rd Qtr) (\$350K)o Continue Dissemination of Research Findings and Educational Initiatives. (1st Qtr - 4th Qtr) (\$275K)o Total \$2.015M										

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B. Program Change Summary:

	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (FY 1999)	1.874	1.961	2.000	2.050
Appropriated Value	1.937	1.961		
Adjustments to Appropriated Value	-.116	-.006		
Adjustments to Budget Year Since FY 1999 President's Budget			-.032	-.035
Current Budget Submit/President's Budget (FY 2000)	1.821	1.955	1.968	2.015

Change Summary Explanation:

Funding: FY 1998 and FY 1999 changes due to undistributed congressional adjustments to Defense-wide RDT&E Appropriation and below threshold reprogramming.
FY 2000 and FY 2001 changes due to revised inflation rates.

C. Other Program Funding Summary: N/A

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